Installing ROS on Ubuntu

first step is to download Virtual Box:

VirtualBox is a general-purpose full virtualizer for x86 hardware, targeted at server, desktop and embedded use, VirtualBox is being actively developed with frequent releases and has an ever growing list of features, supported guest operating systems and platforms it runs on. VirtualBox is a community effort backed by a dedicated company: everyone is encouraged to contribute while Oracle ensures the product always meets professional quality criteria.

(https://www.virtualbox.org/wiki/Downloads)



now after download VirtualBox you can download and run any OS you like through it.

Second step is to Download Ubuntu:

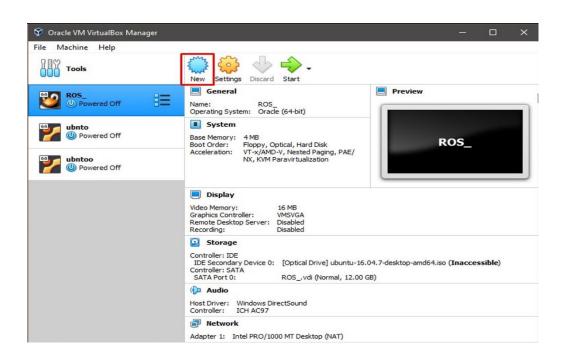
Ubuntu Desktop is a Linux distribution and we need it for our next projects Ubuntu Desktop will be in disk image format

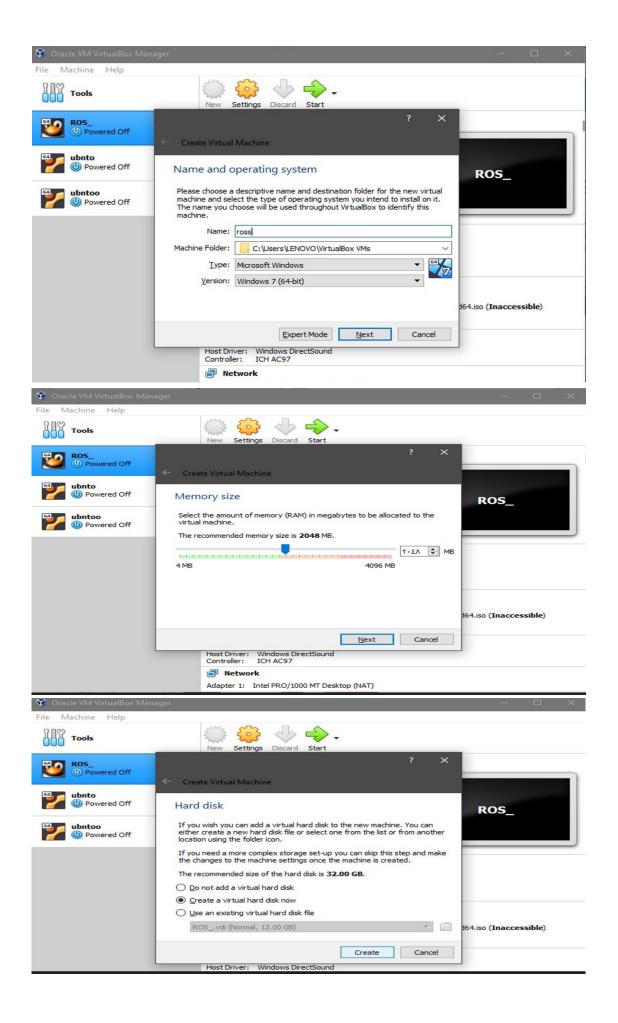


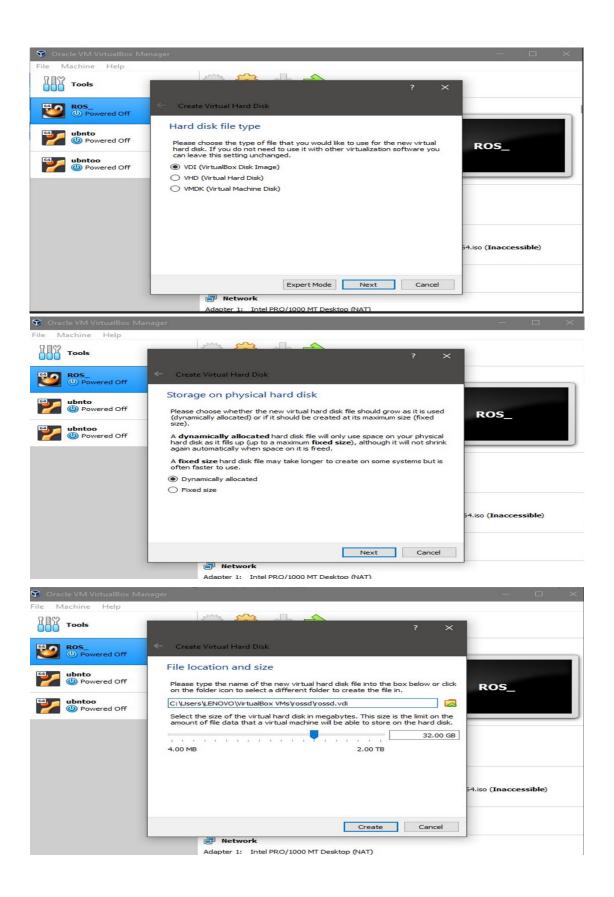
(https://releases.ubuntu.com/16.04/)

Third step is to create a new virtual machine:

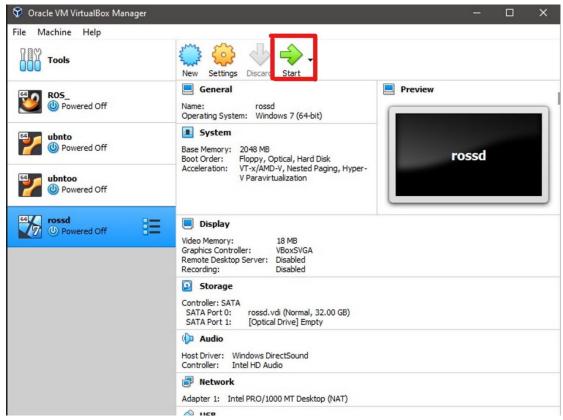
- 1- Press New
- 2- name New System
- 3- choose the largest memory size possible



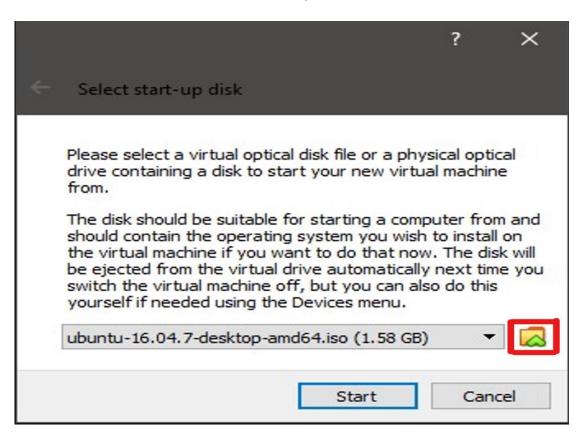


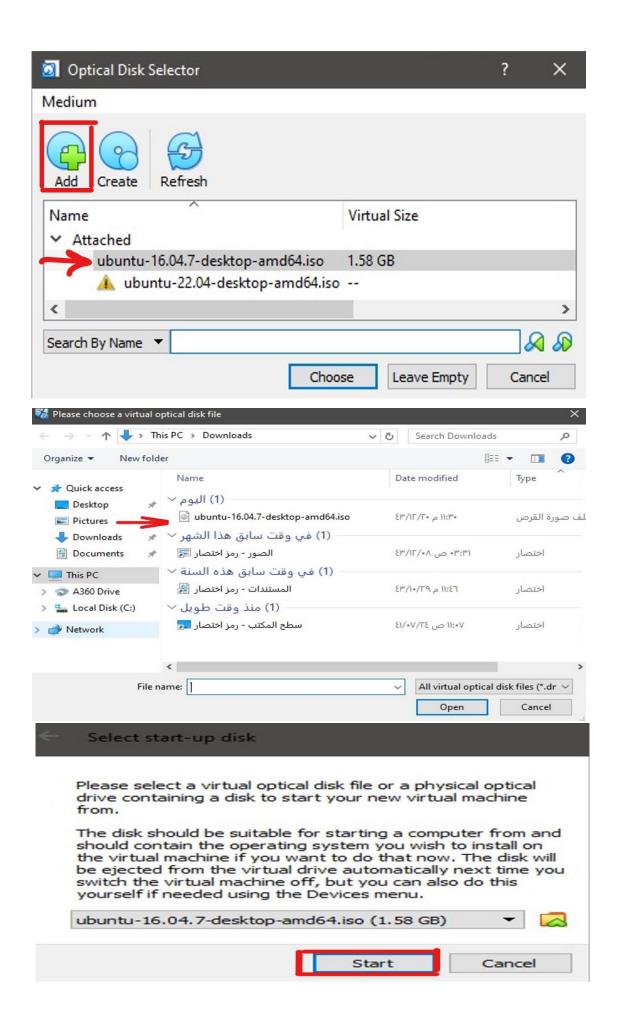


Fourth step Press start to start the new virtual machine:



Choose the new Ubuntu file that you downloaded earlier

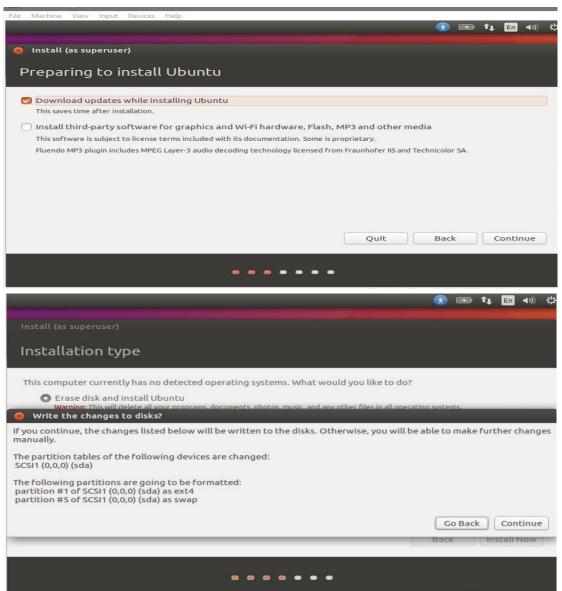


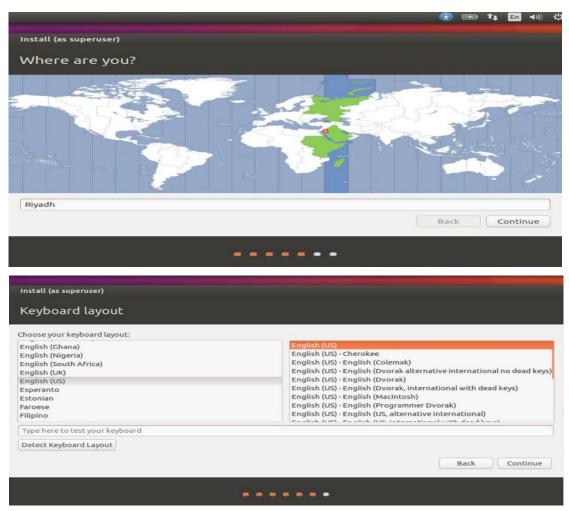


next you can select your language then press "Install Ubuntu"

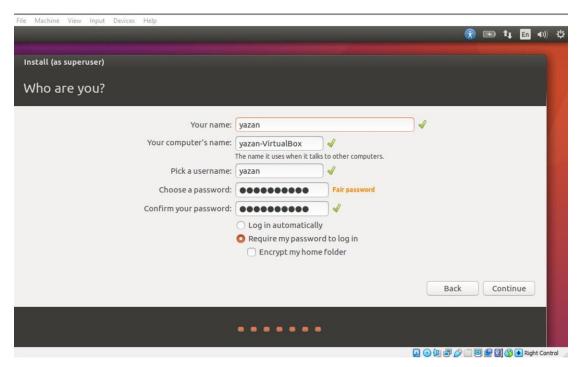


Complete the steps as shown



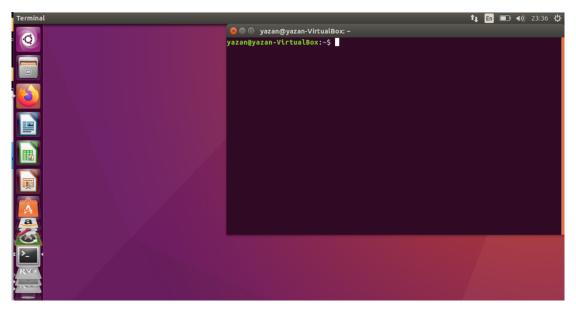


Enter a user name and password to enter the system

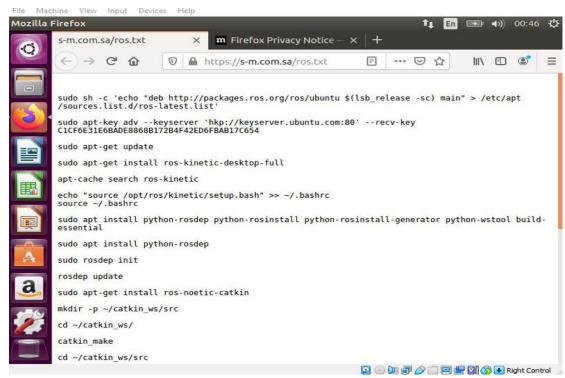


now after the restart we are almost done and we got this desktop but it's a small box, we are going to write a few commands so it fit in the screen like a normal desktop, open the menu and search for "Terminal" from here:





Open the link(https://s-m.com.sa/ros.txt)in Firefox to copy commands:



Open the command page and the terminal page to copy the commands to the terminal, After you finish typing the commands, this page will appear showing that the installation of Ros has completed

